

ABSTRACT

A method for manufacturing a fuel cell separator (18) for sandwiching from both sides via diffusion layers (15, 16) an anode (13) and a cathode (14) disposed on an electrolyte membrane (12).
5 This manufacturing method is made up of mixing a thermoplastic resin (46) and a conductive material (45) to make a mixture (50), forming a separator starting material (68) with this mixture, and irradiating a contact face (20b, 30b) of this separator starting
10 material with an electron beam (72), and hardens the contact face of the separator. Even when reaction heat is produced in the fuel cell (10), elasticity of the separator contact face is ensured.